

Hazlux® LGS LED Series

Lightweight, extremely durable and water-tight linear strip fixtures to withstand the most demanding hazardous location environments.

CERTIFICATION	APPROVALS	APPLICATIONS
CLASS I Division 2 Group A, B, C, D Zone 2 Group IIC CLASS II Division 2 Group F, G Zone 22 Group IIB CLASS III Classification may vary depending on the product configuration. Please follow catalogue information and exceptions.	   IP66/67/68 ¹   UL844 UL1598A UL8750 LISTED E76933  c22.2 no. 137 c22.2 no. 250 c22.2 no 250.13	Vehicle/equipment Enclosures Tunnel lighting

¹IP68 only available with DC general location version

Available in 100° wide beam profile (AC and DC) and 30° wide beam profile (DC)

Lifespan up to 60,500 hours (AC) and 100,000 hours (DC)

Easy field angle adjustment

Standard with 3ft. whip

Compatible with most ELV dimmers (AC)

IP66 Gore® vented enclosure

Available in multiple lengths

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Key features and information

FEATURES

Operating temperature:
AC -40 to 149°F (-40 to 65°C)
DC -40 to 140°F (-40 to 60°C)

Light weight linear strip luminaire

IDA Dark Sky Approved to protect the night time environment and reduce light pollution Features

High efficiency internal reflector maximizes output

Suitable for wet location

HOUSING

Heat-sink designed for optimal heat dissipation

Unique case design utilizes compression for sealing and eliminates fasteners on the front face

MIL-SPEC Hard anodizing (body) and super-durable powdercoat (end caps) suitable for rugged outdoor environments

Copper-free die-cast aluminum housing and high impact polycarbonate lens

LED

Efficacy: up to 58 Lm/W

Lumen output: from 559 lumens to 2,289 lumens

CREE LED's

CRI Ra>80

Metal core PCB

Correlated Color Temperature (CCT): 5000K (standard), 3000K, 3500K and 4000K (optional)

Note : Special LED colors for LGS DC version available upon request (amber, blue, green and red).

ELECTRICAL

Standard with 3ft. whip

AC and DC options

Operating voltage: 11-16 VDC; 21-28 VDC; 120 VAC, 50/60Hz

Power factor 0.95

Driver efficiency 80%

THD <20%

Surge protection standard at 2.5KV

12V or 24V DC input options can run directly off of vehicle or facility low voltage DC

MOUNTING

Adjustable mount

Carriage bolt mount

APPROVALS

UL 844

UL 8750 LED safety

UL 1598 wet locations

UL 1598A and ABS marine locations

IDA Dark Sky Approved

CUL approved to CSA 22.2 No. 137, CSA 22.2 No. 250.0-08, CSA 22.2 No. 250.13

IP66/67/68

(IP68 only available with DC general location version)

WARRANTY

5 year limited warranty

T-code chart

T5	Class 1, Div 2, Groups A, B, C, D
T4A	Class II, Div. 2, Groups F, G

Electrical specifications

Model		LGS-1	LGS-2	LGS-3	LGS-4
Power	12 VDC	12W	21W	36W	48W
	24 VDC	11W	21W	32W	42W
	120 VAC	10W	20W	31W	41W
Current	12 VDC	0.75A	1.5A	2.3A	3.0A
	24 VDC	0.40A	0.75A	1.1A	1.5A
	120 VAC	0.09A	0.17A	0.23A	0.34A

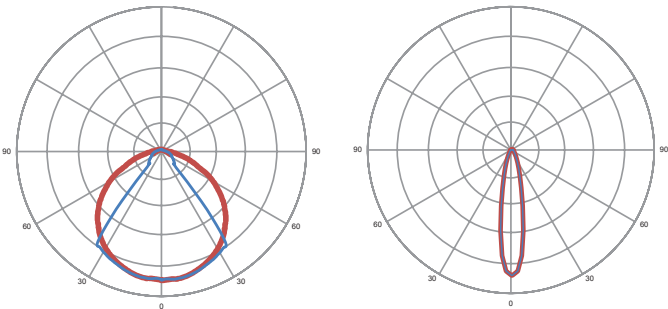


LINEAR LIGHTING

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PHOTOMETRY

Optic options



W – Wide 100°	
Model	Lumen output (CW)
LGS-1	586
BUG rating : B1-U0-G0	

LGS-2	1172
LGS-3	1758
LGS-4	2289
BUG rating : B2-U0-G0	

N – Narrow 30° (DC only)	
Model	Lumen output (CW)
LGS-1	559
BUG rating : B2-U0-G0	

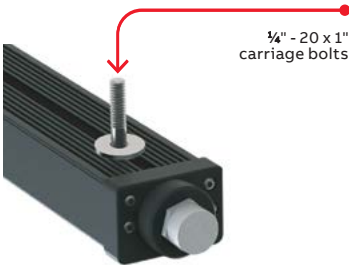
LGS-2	1118
LGS-3	1677
LGS-4	2236
BUG rating : B3-U0-G0	

MOUNTING OPTIONS

A - Adjustable mounting bracket (standard)



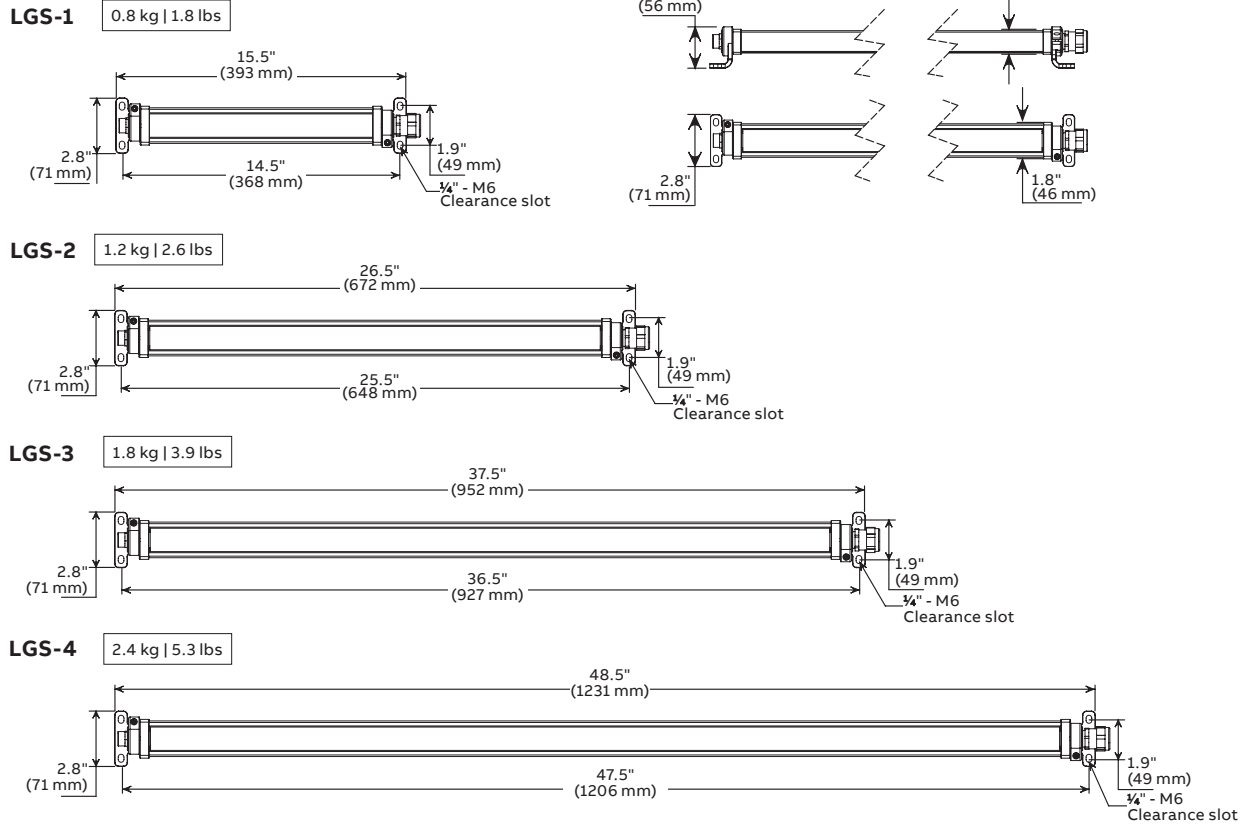
B - Carriage bolt/surface mount (optional)



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DIMENSIONS

Dimensions are approximate and subject to change.



NUMBERING SYSTEM

Lighting fixture

1	2	3	4	5	6	7	8
LGS-1	W	BK	C	A	12	HL	U
Model	Optic	Finish	Color	Mount	Power	Location	Market

Ordering information

Part	Part number	Description
1 Model	LGS-1	559 to 586 lumens
	LGS-2	1118 to 1172 lumens
	LGS-3	1677 to 1758 lumens
	LGS-4	2236 to 2289 lumens
2 Optic	W	Wide 100°
	N	Narrow 30° (DC version only)
3 Finish	BK	Black
4 Color	30	Warm white (3000 K) ¹
	W	Warm white (3500 K) ¹
	40	Natural white (4000 K) ¹
	C	Cool white (5000 K)

¹Option subject to extended lead time and minimum order quantities.

Part	Part number	Description
5 Mount	A	Adjustable
	B	Carriage bolt ²
6 Power	12	11–16 VDC
	24	21–28 VDC
	120	120 VAC, 50/60Hz
7 Location	HL	Hazardous location
	GL68	General location IP68 (Only available with DC versions)
8 Market	BLANK	Canadian market
	U	US market

²IDA Fixture Seal of Approval only applies to fixtures with a CCT of 3000K or less, and have fixed mounts aiming the fixture perpendicular to the ground.